

Fig. 1

H0498.70168US00 Serial No.: 10'003,033 Optical Modulator/Detector Based on Reconfigurable Diffraction Grating Inventors: Olivier J.A. Schueller, et al. Date of Deposit: April 13, 2004

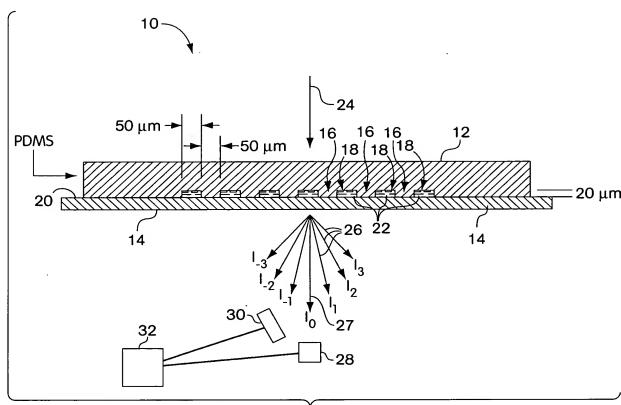
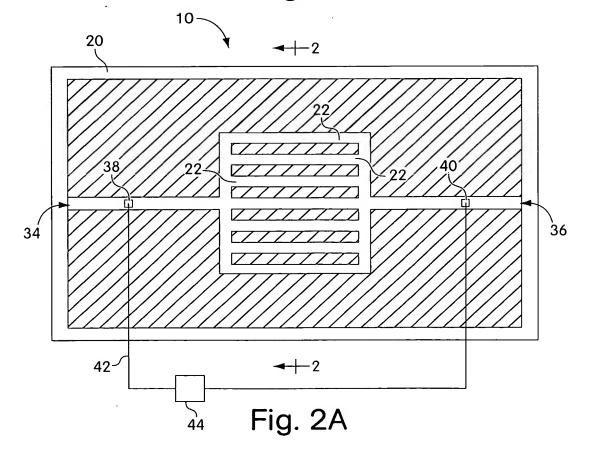
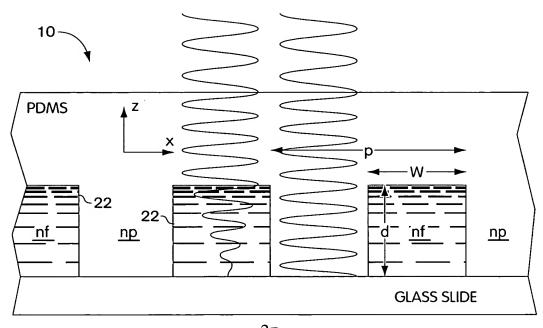


Fig. 2



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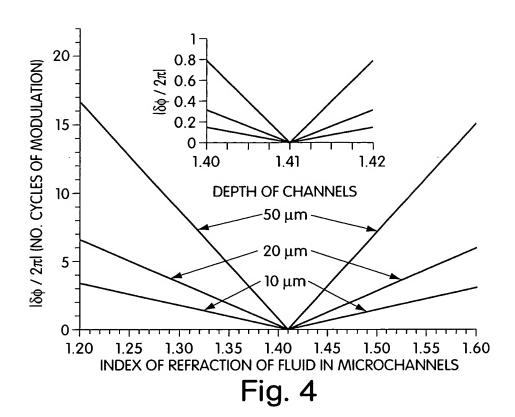


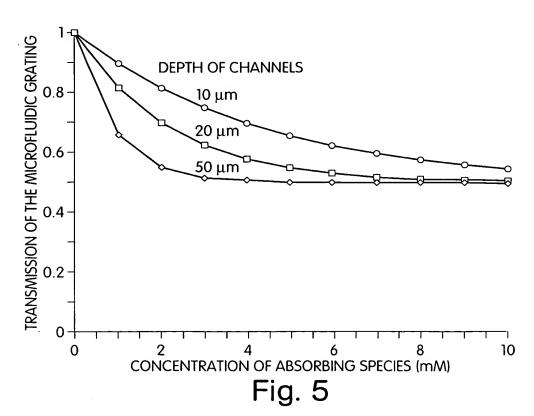
 $\delta \phi = \frac{2\pi}{\lambda} d\Delta n$ Fig. 3



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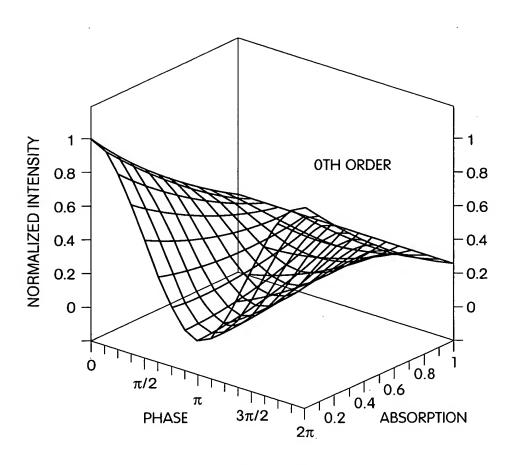
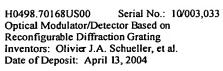


Fig. 6





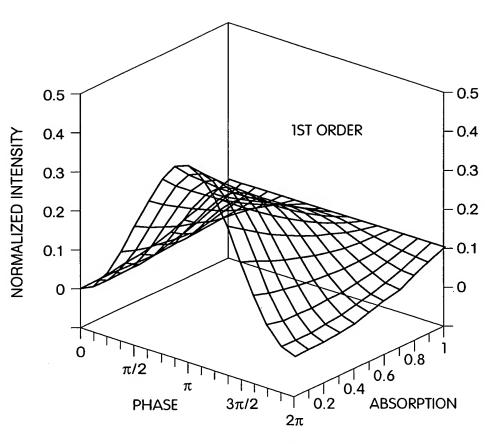


Fig. 7

Optical Modulator/Detector Based on Reconfigurable Diffraction Grating Inventors: Olivier J.A. Schueller, et al. Date of Deposit: April 13, 2004



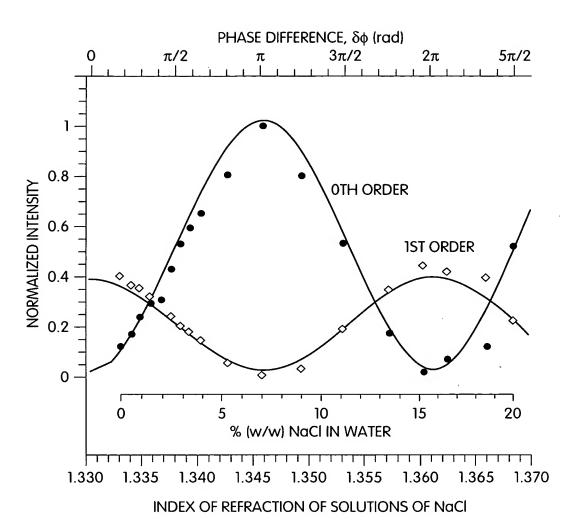
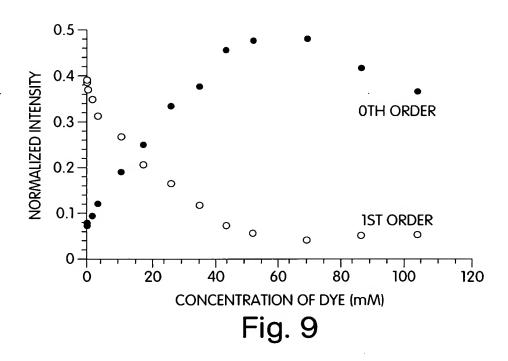


Fig. 8







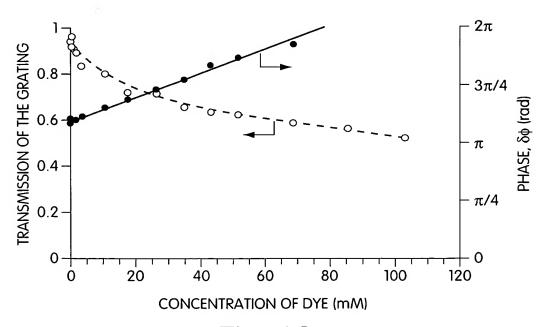


Fig. 10



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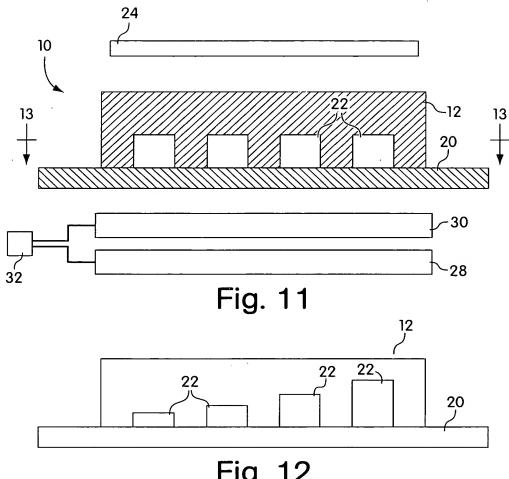


Fig. 12

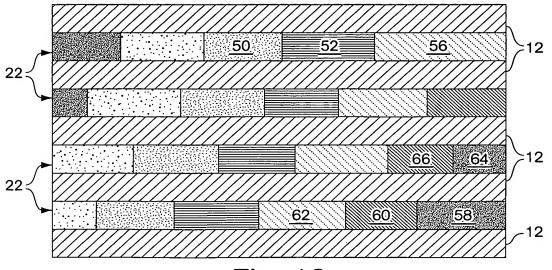


Fig. 13